

Abstract Of The Disclosure

5 An electrochemical gas sensor determining the concentration of  
oxidizable gas components which has an electrochemical  
measuring cell having a measuring electrode and a reference  
electrode. Measuring electrode is made of a material which is  
not able, or not completely able to catalyze the establishment  
of gas equilibrium. In addition to the electrochemical  
measuring cell, at least one electrochemical pumping cell,  
10 having at least one inner pumping electrode, is provided,  
which, together with measuring electrode, is positioned in a  
measuring gas compartment. Oxygen is pumped into or out of  
measuring gas compartment by pumping cell, the partial  
pressure of oxygen in measuring gas compartment being set to a  
15 lambda value of  $\geq 1.3$ .

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